

How to create QWeb reports

Tanguy CHARLIER • Odoo Developer



Introduction



QWeb reports components



Conclusion & Questions



Introduction to QWeb Reports

Odoo
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 Scranton PA 18540
 United States

Invoicing and shipping address:
 China Export, John M. Brown
 ChinaShanghai52 Chop Suey street 200000

China Export
 ChinaShanghai52 Chop Suey street 200000

Order # SO008

Date Ordered:
 10/03/2016 15:47:04

Salesperson:
 Administrator

Description	Quantity	Unit Price	Taxes	Price
Laptop E5023	5.000	2,950.00	15.00%	\$ 14,750.00
GrapWorks Software	1.000	173.00		\$ 173.00
Datacard	1.000	40.00		\$ 40.00
USB Adapter	1.000	18.00		\$ 18.00
Total Without Taxes				\$ 14,981.00
Taxes				\$ 2,212.50
Total				\$ 17,193.50



2

QWeb Reports: *The components*

The report action

Sales Orders / S0008

EDIT CREATE

Print Action

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Quotation / Order

CREATE INVOICE PRINT SEND BY EMAIL CANCEL LOCK

QUOTATION

QUOTATION SENT

SALES ORDER

S0008

Customer [China Export](#)
ChinaShanghai52 Chop Suey street 200000

Confirmation Date 10/03/2016 15:47:13
Payment Terms

ORDER LINES OTHER INFORMATION

Product	Description	Ordered Qty	Delivered	Invoiced	Unit Price	Taxes	Subtotal
[LAP-E5] Laptop E5023	Laptop E5023	5.000	0.000	0.000	2,950.00	Tax 15.00%	14,750.00
[CONS_DEL01] Server	GrapWorks Software	1.000	0.000	0.000	173.00		173.00
[PROD_DEL02] Datacard	Datacard	1.000	0.000	0.000	40.00		40.00
[PROD_DEL] Switch, 24 ports	USB Adapter	1.000	0.000	0.000	18.00		18.00

Untaxed Amount : \$14,981.00

Taxes : \$2,212.50

Total : \$17,193.50

```
<report
  id="report_sale_order"
  string="Quotation / Order"
  model="sale.order"
  report_type="qweb-pdf"
  name="sale.report_saleorder"
/>
```

The QWeb template

```
<template id="report_saleorder">
  <t t-call="report.html_container">
    <t t-foreach="docs" t-as="o">
      <t t-call="report.external_layout">
        <div class="page">
          <h2>Report title</h2>
        </div>
      </t>
    </t>
  </t>
</template>
```

- QWeb, the Odoo templating engine
 - Supports inheritance
 - Has nice control flow tools
- Report scope
- Using the external layouts
- Using t-lang for translated reports
- Barcodes shortcuts
- Add css: report.assets_common

Custom reports

```
from openerp import api, models

class ParticularReport(models.AbstractModel):
    _name = 'report.module.report_name'
    @api.model
    def render_html(self, docids, data=None):
        report_obj = self.env['report']
        report = report_obj._get_report_from_name('module.report_name')
        docargs = {
            'doc_ids': docids,
            'doc_model': report.model,
            'docs': self,
        }
        return report_obj.render('module.report_name', docargs)
```




Questions?

Thank you.



#odooexperience

<https://www.odoo.com/documentation/saas-13/reference/qweb.html>

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